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HISTORIC AMERICAN ENGINEERING RECORD
INDEX TO PHOTOGRAPHS

Tempe Canal
South Side of Salt River
Tempe, Mesa and Phoenix
Maricopa County
Arizona

HAER No. AZ-16

(Note: Photographs AZ-16-1 through AZ-16-4, and AZ-16-20 through AZ-16-23 are photocopies of photographs. Photos AZ-16-3, AZ-16-4, and AZ-16-20 thru AZ-16-23 are 5" x 7" enlargements from 4" x 5" negatives).

- AZ-16-1 Building a brush dam. Location unknown.
Photographer: Unknown, no date.
Source: Salt River Project Archives (SRPA)
- AZ-16-2 A crude headgate. Location unknown.
Photographer: Unknown, n.d.
Source: SRPA
- AZ-16-3 Building new Chandler Falls Power Plant, view showing installation of penstock.
Photographer: Unknown, c. 1919.
Source: SRPA
- AZ-16-4 Chandler Falls site, before razing.
Photographer: Unknown, c. 1950.
Source: SRPA
- AZ-16-5 Division Gates of the Consolidated Canal, looking northeast. The Tempe Canal heads here (left).
Photographer: Mark Durben, February 1989.
Source: SRPA
- AZ-16-6 Tempe Crosscut Canal, looking west from Division Gates. Lateral at left is for local delivery of irrigation water.
Photographer: Mark Durben, February 1989.
Source: SRPA
- AZ-16-7 Chandler Falls, looking upstream (from north). Golf tee of the Mesa Country Club on right.
Photographer: Mark Durben, February 1989.
Source: SRPA

- AZ-16-8 Chandler Falls, looking downstream, and downhill from the edge of the mesa (from south). Penstock and foundation of the hydropower plant visible on left.
Photographer: Mark Durben, February 1989.
Source: SRPA
- AZ-16-9 Tempe Canal, Section 17 (T1N, R5E), looking east towards the mesa. This is the oldest part of the canal still in use.
Photographer: Mark Durben, June 1989.
Source: SRPA
- AZ-16-10 Tempe Canal, looking south from Apache Boulevard, showing new apartments and old farm silos.
Photographer: Mark Durben, February 1989.
Source: SRPA
- AZ-16-11 Tempe Canal, looking north from the Superstition Freeway at the point where the canal turns west toward the Superstition flume. Equipment in center is beginning excavation for the pipe headworks.
Photographer: Mark Durben, February 1989.
Source: SRPA
- AZ-16-12 Flume over the Superstition Freeway, looking north.
Photographer: Mark Durben, February 1989.
Source: SRPA
- AZ-16-13 Tempe Canal along Price Road, looking north from Baseline Road. This is the section of the canal which will be piped.
Photographer: Mark Durben, February 1989.
Source: SRPA
- AZ-16-14 Junction of the Tempe Canal and Western Canal, looking north.
Photographer: Mark Durben, February 1989.
Source: SRPA
- AZ-16-15 Hayden Ditch (Lateral 5), looking east along 8th Street, east of Dorsey. This is an unimproved section of the ditch.
Photographer: Mark Durben, June 1989.
Source: SRPA

- AZ-16-16 Hayden Ditch (Lateral 5), looking west across McClintock Drive toward downtown Tempe. The deep, concrete lined ditch is typical of Rehabilitation and Betterment work. The fenced enclosure in the foreground is an SRP well which supplements the water supply of the ditch. In the background are visible an Arizona State University dormitory and Hayden's Butte.
Photographer: Mark Durben, June 1989.
Source: SRPA
- AZ-16-17 Western Branch right of way on Alameda Drive, looking west from Dorsey. The piped ditch (Lateral 6) runs beneath the grassy median. The SRP control structure in the background diverts water for Lateral 7, formerly known as the Petersen Ditch.
Photographer: Mark Durben, June 1989.
Source: SRPA
- AZ-16-18 Tail race of the Hayden Ditch, looking east toward the Tempe Bridge and Hayden's Butte, the site of Charles Hayden's vision of the Tempe Canal. This ditch, which formerly supplied the San Francisco Canal, has been out of service since the 1950s.
Photographer: Mark Durben, June 1989.
Source: SRPA
- AZ-16-19 Right of way of the Trunk Ditch, looking southwest toward Mesa Country Club. This is the site of a piped supply from SRP pump 29.9E-5N to the Tempe Canal. A small was ditch is also visible.
Photographer: Mark Durben June 1989
Source: SRPA
- AZ-16-20 1934 aerial of Tempe Canal, Sections 9, 16, and 17 (T1N R5E) (top of page is north). The Tempe Crosscut is seen as the dark line entering from top right, which turns north, then curves around the Chandler Falls powerhouse. The canal then curves slowly around to the southwest. The old Trunk Ditch is visible at the top of the curve, coming in from the northeast. A wasteway (top left) runs west from the canal to the Salt River.
Photographer: Unknown, 1934.
Source: SRP Cartographic Drafting
- AZ-16-21 1934 aerial of Tempe Canal, Sections 19 and 30 (T1N R5E) and Sections 24 and 25 (T1N R4E) (top of page is north). The main canal enters the picture at upper right and curves out of picture at lower

right. The Hayden Branch (thin dark line) runs from top of picture to the southwest, then curves to the west. The Western Branch enters picture running parallel to main canal, then angles off to southwest.

Photographer: Unknown, 1934.

Source: SRP Cartographic Drafting

AZ-16-22 1988 aerial of Tempe Canal, Sections 9, 16 and 17 (T1N R5E) (left of page is north). Tempe Crosscut enters from center left. The Trunk Ditch right of way is visible just north of Mesa Country Club as a gray line running along the edge of a vacant lot. The Salt River bed is in the upper left corner.

Photographer: Unknown, 1988.

Source: SRP Cartographic Drafting

AZ-16-23 1988 aerial of Tempe Canal, Sections 30 and 31 (T1N R5E) and Sections 25 and 36 (T1N R4E) (top of page is north). Tempe Canal cuts across top right of picture, then reenters at center right along the north side of the Superstition Freeway before turning south and crossing the freeway on a flume. White lines show the alignment of the Price Freeway. Also visible, upper left, is the Western Branch angling from the northeast toward McClintock Drive.

Photographer: Unknown, 1988.

Source: SRP Cartographic Drafting.